Material Safety Data Sheet Molded Ligature Ties

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BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

(ELASTOLLAN®1180A10 - DOMESTIC) Molded Ligature Ties

Product ID: NPU 556135

Common Chemical Name: THERMOPLASTIC POLYURETHANE ELASTOMER

TPU Synonyms: Molecular Formula:

MIXTURE Polyurethane Chemical Family: Molecular Wt.: NOT ESTABLISHED

SECTION 2 - INGREDIENTS

Chemical Name: CAS Amount 4/6/9018 ~100.0 %

PEL/TLV NOT ESTABLISHED

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview

Color: NOT AVAILABLE Form/Appearance: Granules

NOT AVAILABLE Odor:

WARNING STATEMENT:

CAUTION:

USE WITH LOCAL EXHAUST. UNDER HOT MELT PROCESSING CONDITIONS (170-230

C), WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT THERMAL BURNS.

Potential Health Effects Primary Routes of Exposure:

> Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute Overexposure Effects:

Contact with the eyes and skin may result in mechanical irritation.

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SECTION 3 - HAZARDS IDENTIFICATION (cont)

Inhalation of dusts or powders may result in respiratory irritation. Ingestion of the solid may result in gastric disturbances.

Chronic Overexposure Effects:

There are no other known chronic effects associated with this material.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

SECTION 4 - FIRST AID MEASURES

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention. Skin contact with hot melt may cause thermal burns. Get immediate medical attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians: None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

First Aid Procedures - Special Precautions: None

SECTION 5 - FIRE FIGHTING MEASURES

Typical Low/High Deg. Method Flash Point: > 300 C NOT SPECIFIED

Autoignition: NOT AVAILABLE

Extinguishing Media: Use CO2 or dry chemical extinguishing media. Fire Fighting Procedures: Firefighters should be equipped with self-

contained breathing apparatus and turnout gear. Avoid breathing vapors or fumes of heated product

or burning product.

Unusual Hazards: There are no known unusual fire or explosion hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General: Spills should be contained and placed in suitable containers for disposal in a licensed facility.

SECTION 7 - STORAGE AND HANDLING

General:

Avoid extreme heat.

Protect from moisture during transportation and storage.

Pellet-handling equipment should be grounded to prevent buildup of electrostatic charge.

Pellets on floor may be slippery and cause falls.

Avoid dust accumulation.

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SECTION 8 - PERSONAL PROTECTION

Clothing: Gloves, coverall, apron, boots as necessary to prevent

contact under hot melt condition.

Eyes: Chemical goggles to protect from hot melt.

Respiration: If dusts are generated, wear an approved dust respirator.

Ventilation: Use local exhaust to control dusts.

Explosion Proofing: None required.

SECTION 9 - PHYSICAL PROPERTIES

Color: NOT AVAILABLE

Form/Appearance: Granules Odor: NOT AVAILABLE

Odor Intensity: Low

Typical Low/High U.O.M.

Specific Gravity: 1.2

pH:

NOT AVAILABLE

Typical Low/High Deg. @ Pressure

Boiling Pt: NOT AVAILABLE Freezing Pt: NOT AVAILABLE Decomp. Tmp: NOT AVAILABLE

Solubility in Water Description: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stability Data: Stable
Incompatability: None known.
Conditions/Hazards to Avoid: None known.

Hazardous Decomposition/Polymerization: Hazardous decomposition products: CO,

CO2 and cyanic acid.

Polymerization: Does not occur. Corrosive Properties: Not corrosive. Oxidizer Properties: Not an oxidizer

SECTION 11 - TOXICOLOGICAL INFORMATION

No applicable data for this section.

SECTION 12 - ECOLOGICAL INFORMATION

No applicable data for this section.

SECTION 13 - DISPOSAL CONSIDERATION

Waste Disposal: Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

Container Disposal: Unused material and empty containers must be disposed of in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name: N/A

DOT Technical Name: N/A

DOT Primary Hazard Class: N/A DOT Secondary Hazard Class: N/A

DOT Label Required: N/A
DOT Placard Required: N/A
DOT Poison Constituent: N/A

BASF Commodity Codes: UN/NA Code: NONE E/R Guide:

Bill of Lading Description: NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

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SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status Listed on Inventory: YES

SARA - 313 Listed Chemicals:

CAS: 4 AMOUNT: 100.0 %

NAME: GLYCOL ETHERS

RCRA Haz. Waste No .: NA

SECTION 15 - REGULATORY INFORMATION (cont)

CERCLA: NO Reportable Qty.: (If YES)

SECTION 16 - OTHER INFORMATION

Hazard Ratings:

BASF currently uses the National Paint & Coating Association (NPCA) rating system. The use of an asterisk (*) in the HMIS rating indicates the potential for chronic health effects.

Health: Fire: Reactivity: Special: 0 1 0 NA

This product is not hazardous according to the OSHA Hazard Communication Standard.

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END OF DATA SHEET